

FIG. 1
PRIOR ART

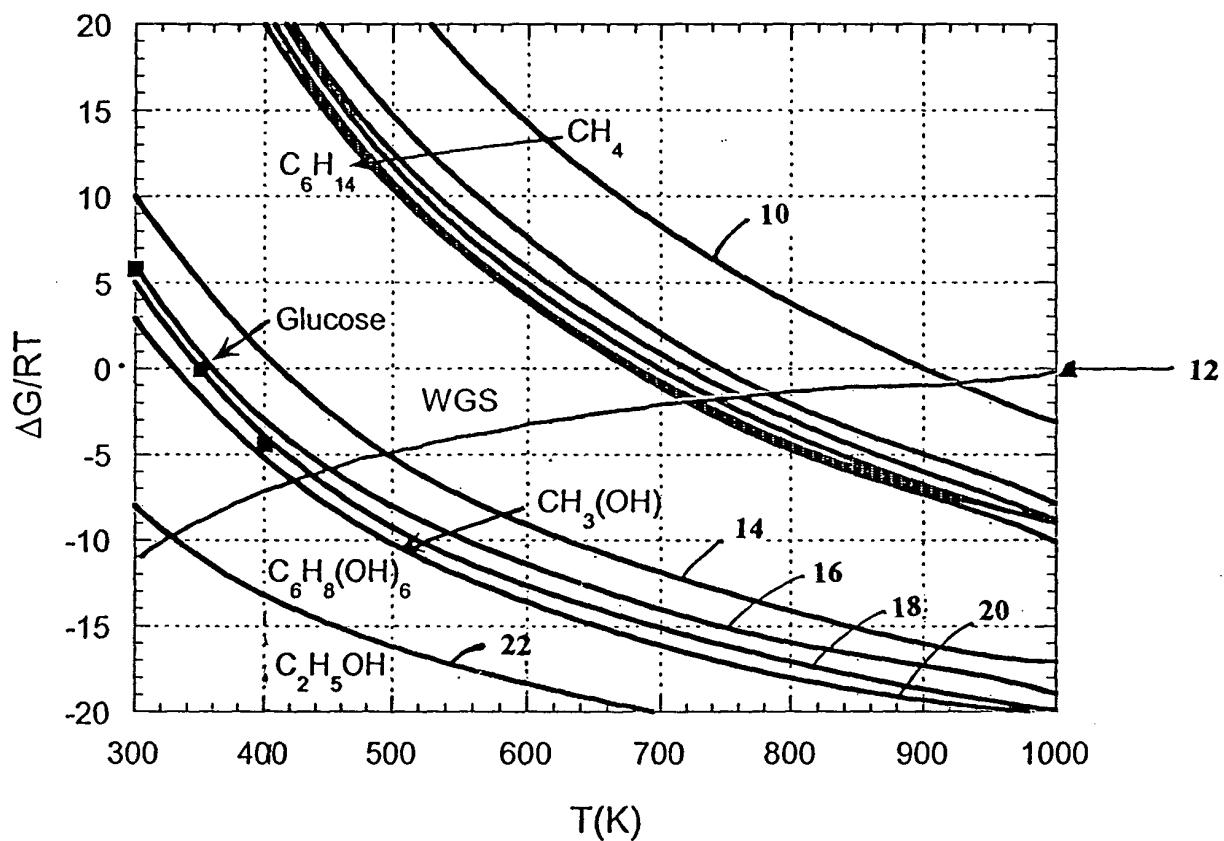


FIG. 2

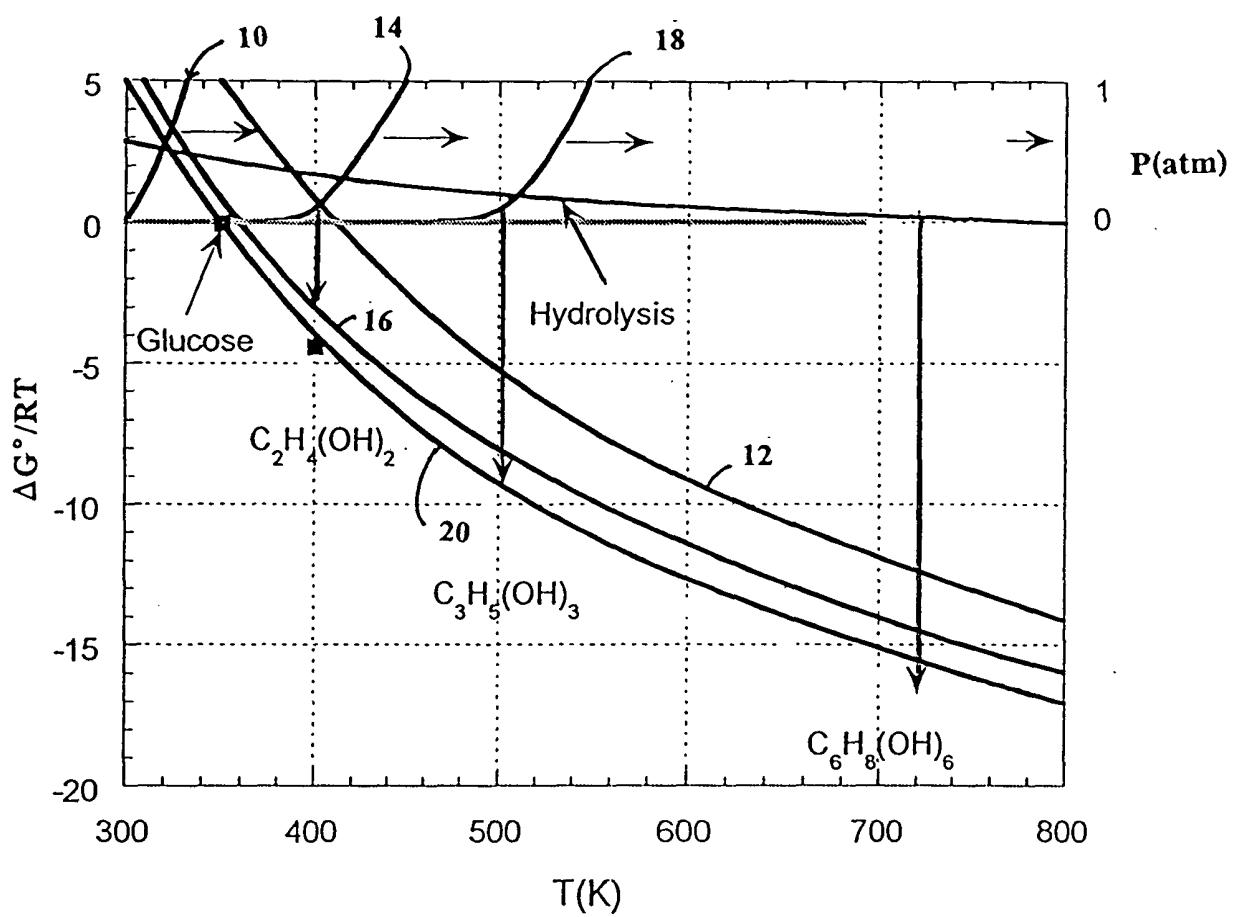


FIG. 3

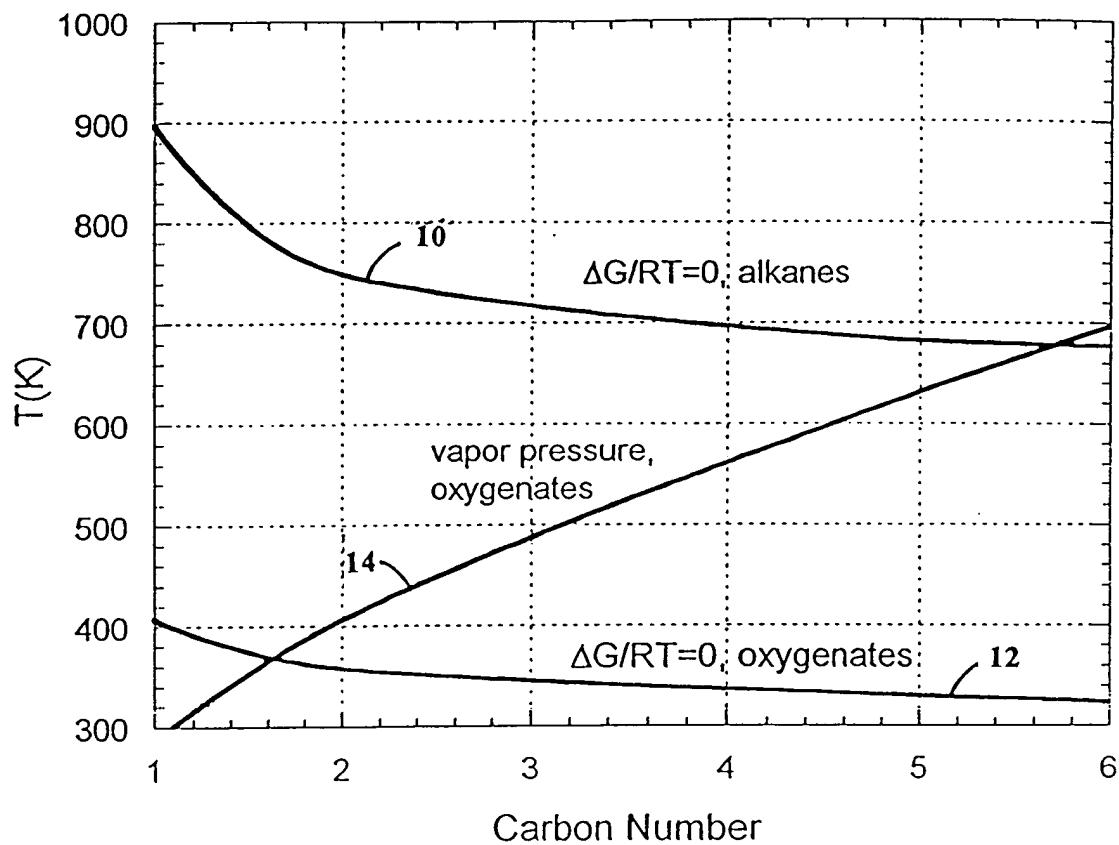


FIG. 4

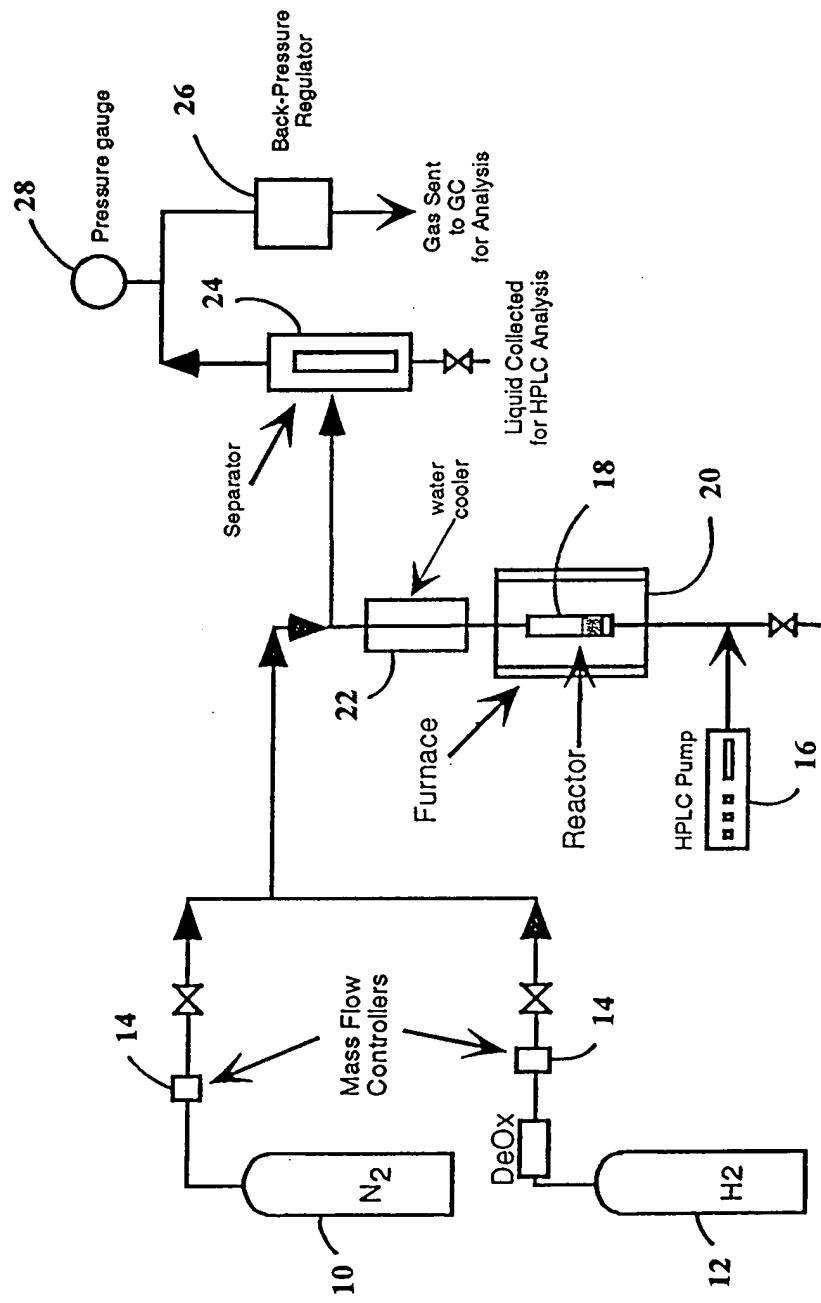
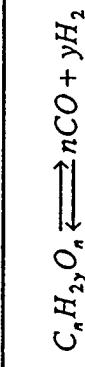


FIG. 5

Low Temperature Reforming and Water-Gas Shift

150 – 300 °C over Platinum-Based Catalyst

Liquid-Phase System



Membrane Separator
(Maybe not necessary)

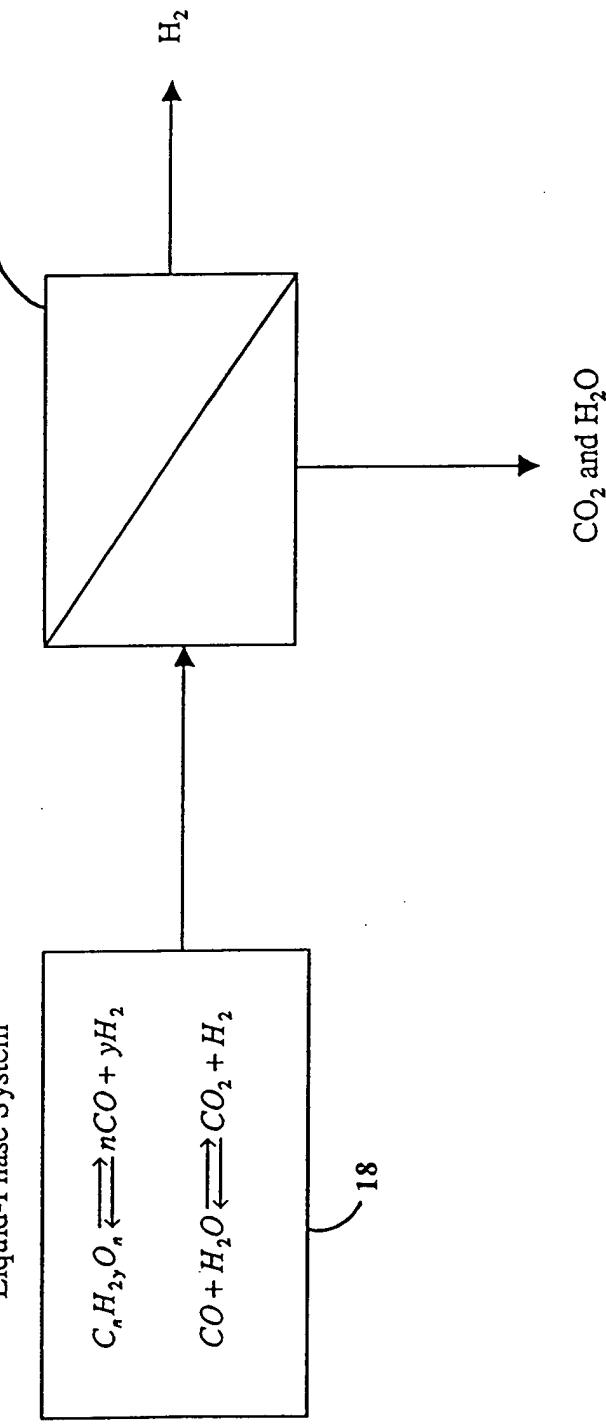


FIG.6

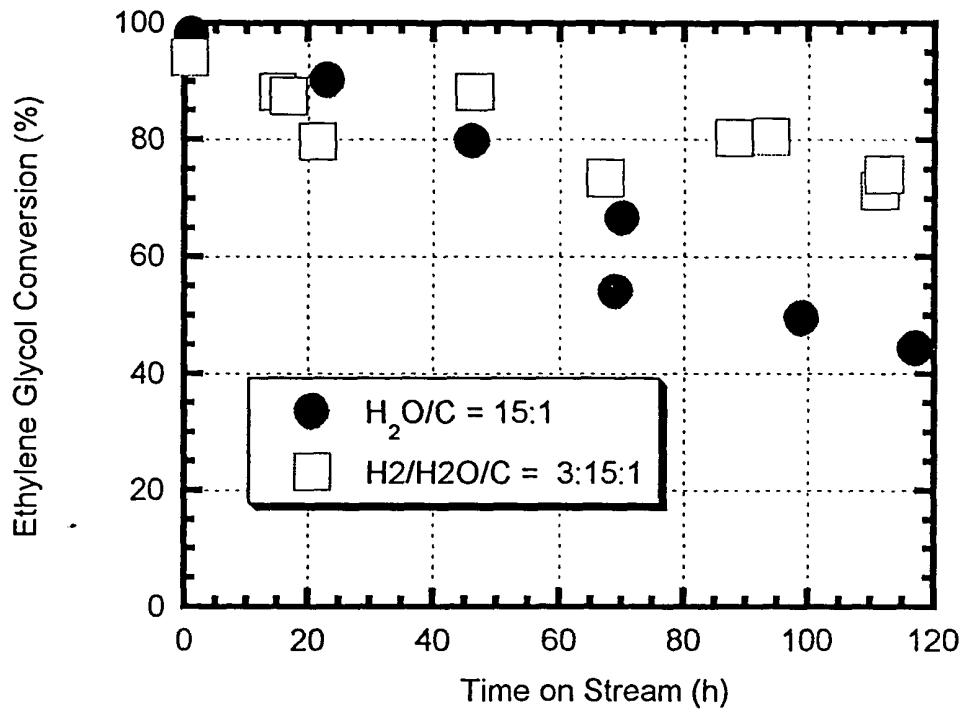


FIG. 7

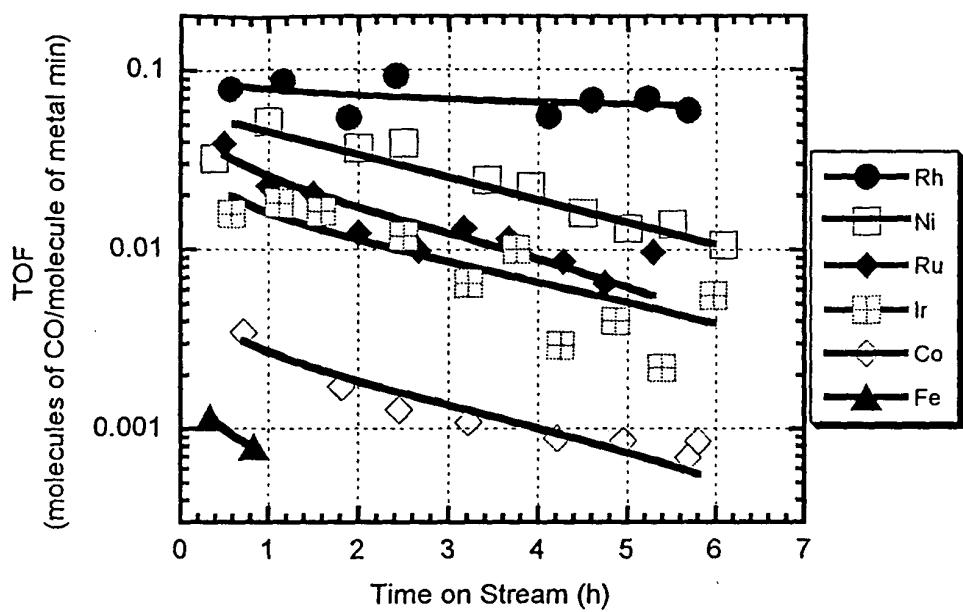


FIG. 8

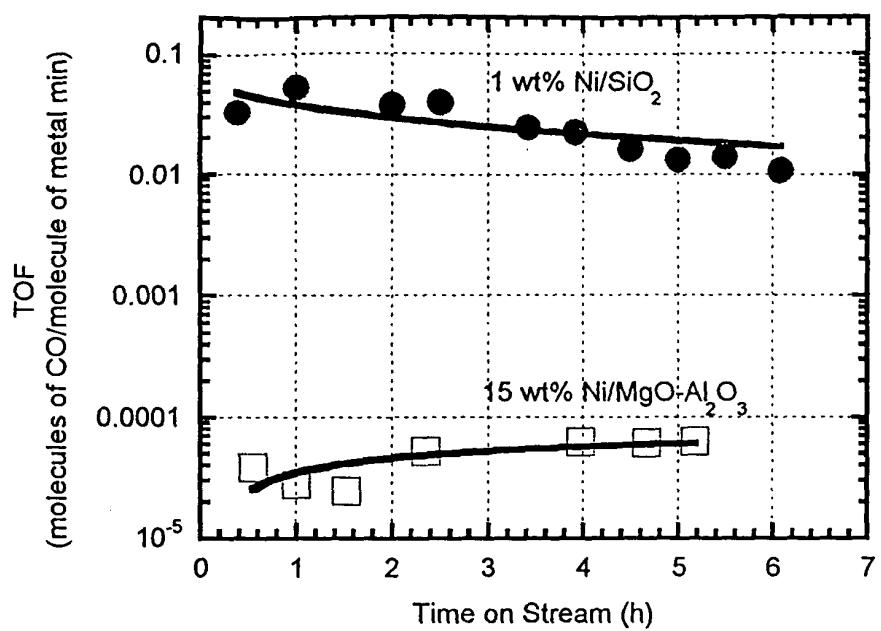


FIG. 9

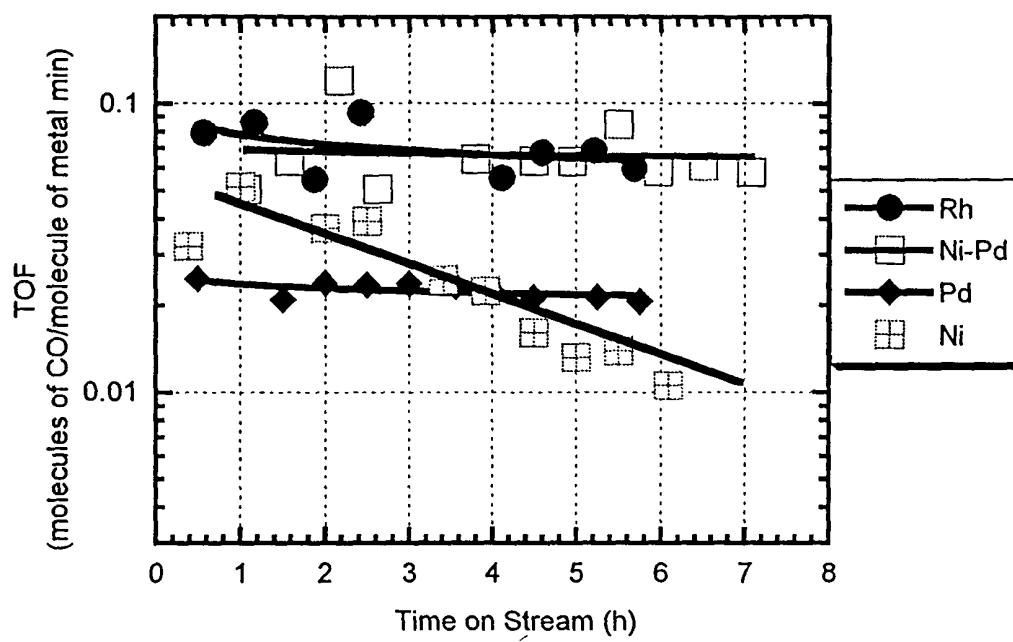


FIG.10

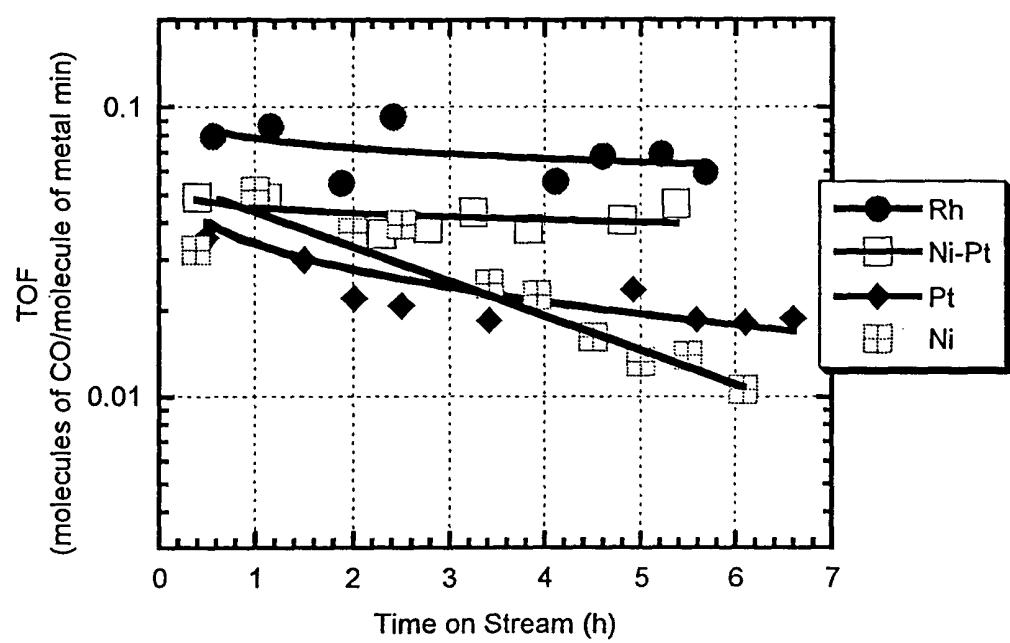


FIG. 11

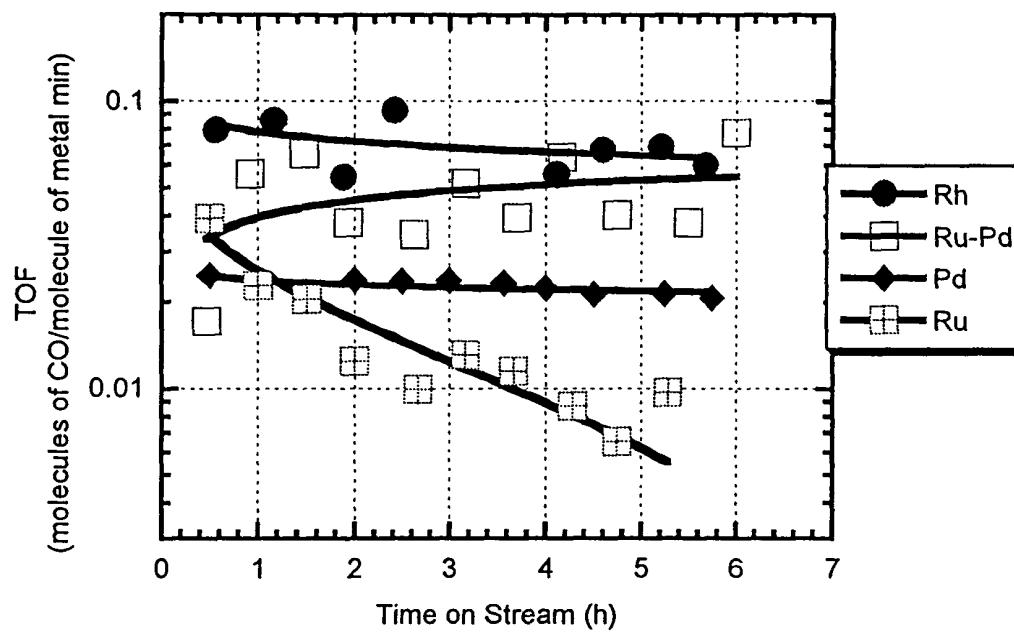


FIG. 12

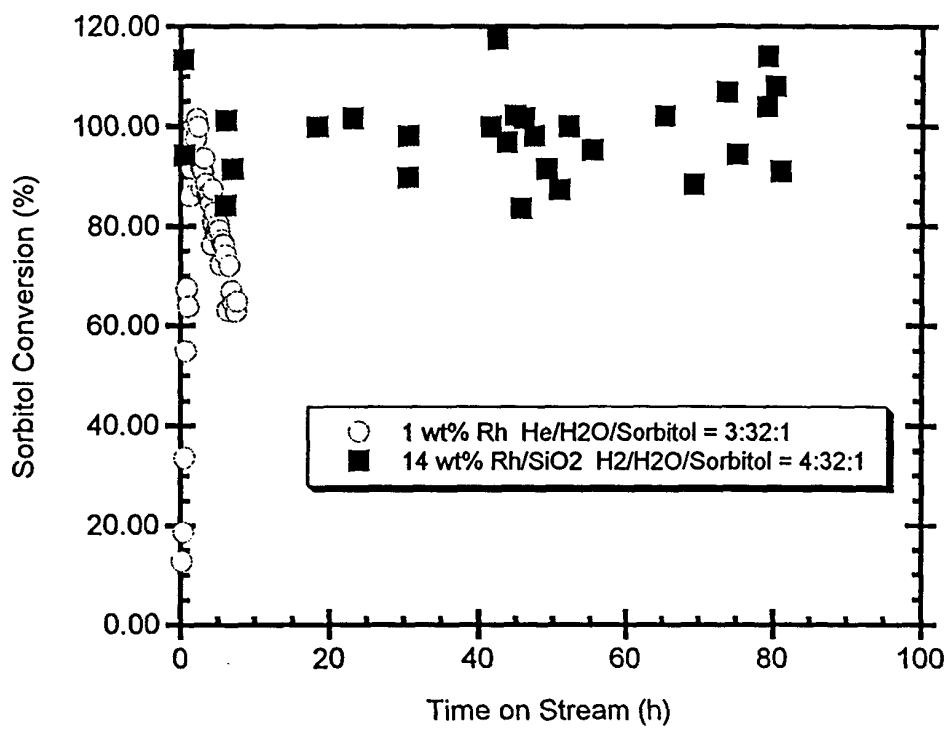


FIG. 13

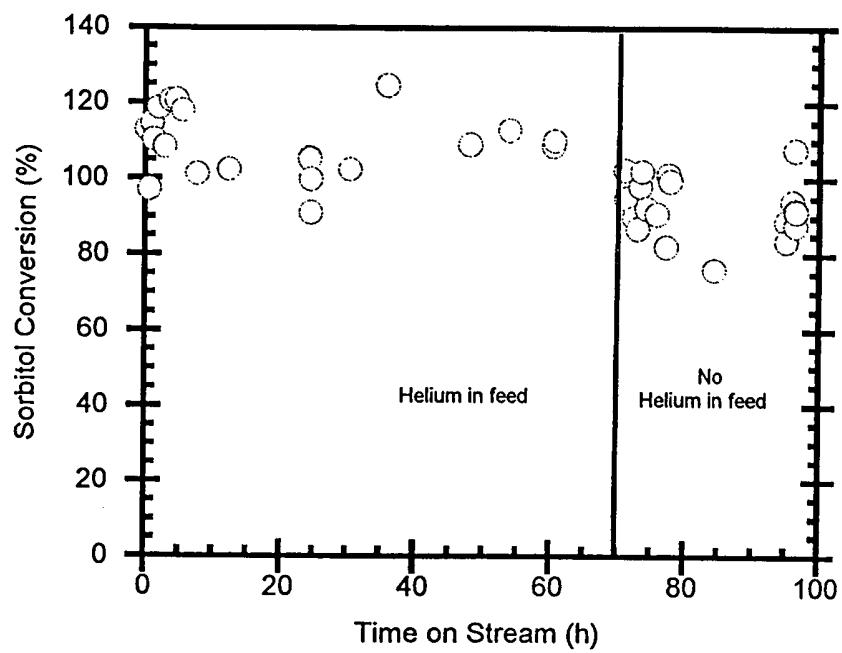


FIG.14

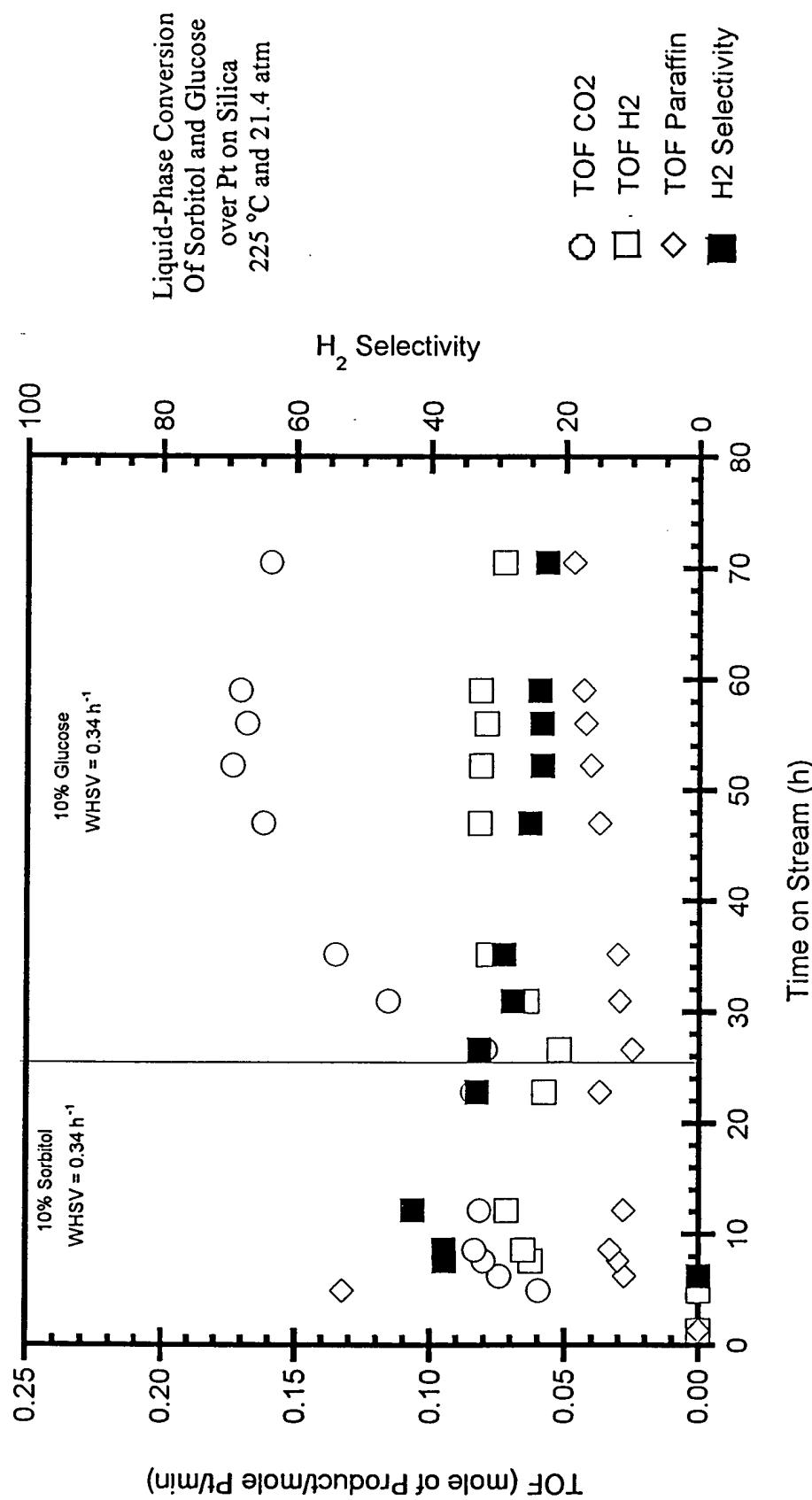


FIG. 15

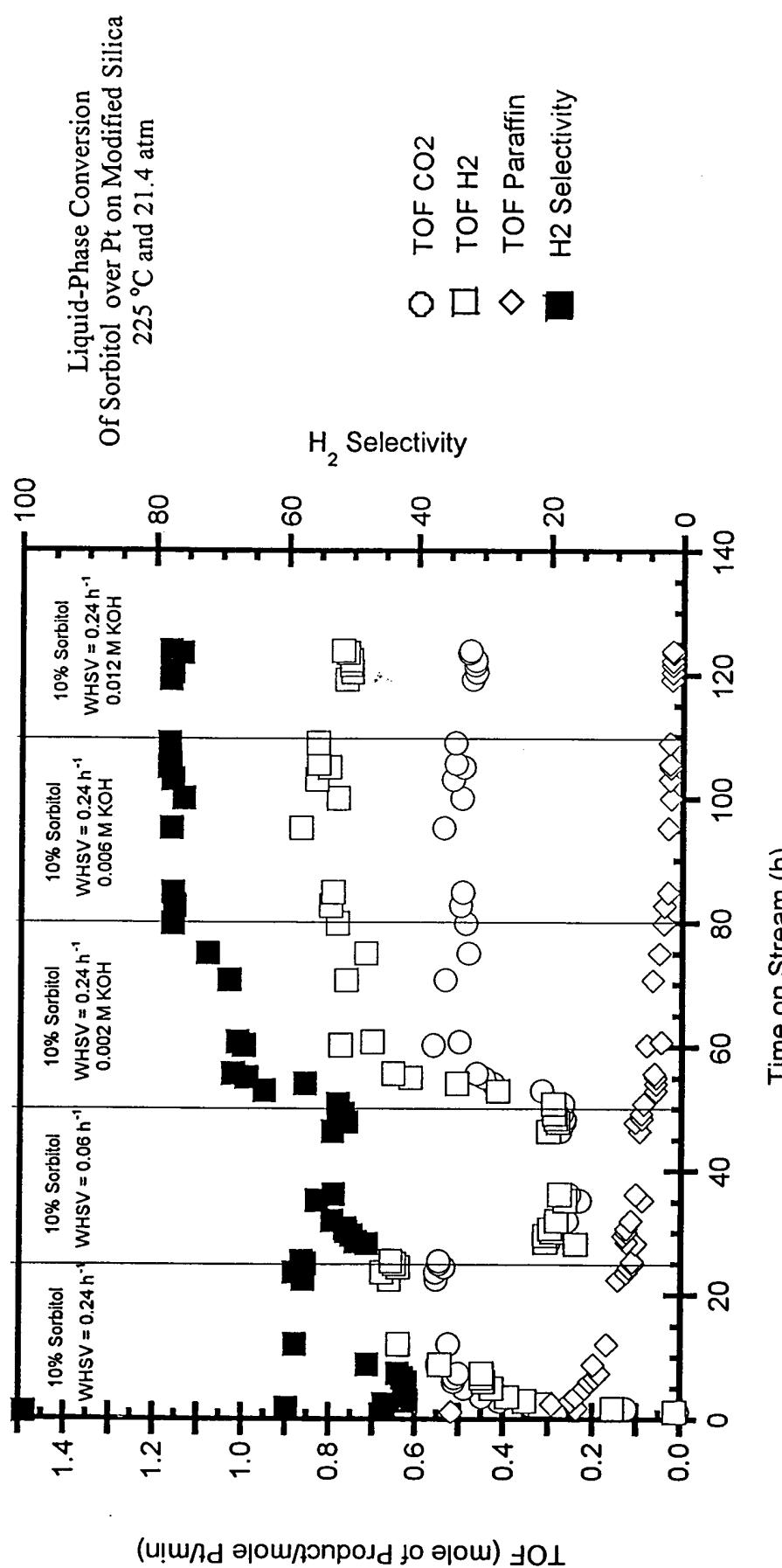


FIG. 16